

What is claimed is :

1. A method, comprising:

2 while power is being supplied to a processing unit, detecting whether a video display unit
3 is newly coupled to a connecting unit of said processing unit, said video display unit conveying
4 varying visual information to a user, and said processing unit processing data including the varying
5 visual information;

6 when said video display unit is detected as being newly coupled to said connecting unit while
7 power is being supplied to said processing unit, reading first data corresponding to said video display
8 unit;

9 determining whether said first data corresponds to second data stored in a memory unit; and

10 when said first data does not correspond to said second data stored in said memory unit,
11 storing said first data in said memory unit and determining a resolution corresponding to said video
12 display unit and transmitting said resolution to a video card coupled to said video display unit.

Sub 1
2 2. The method of claim 1, said detecting further comprising a polling operation

periodically checking said connecting unit.

3. The method of claim 1, said detecting further comprising a sensing of an interrupt

2 signal occurring when said video display unit is newly coupled to said connecting unit.

1 4. The method of claim 1, wherein said detecting is performed when power is being
2 newly supplied to said processing unit.

1 5. The method of claim 1, wherein said detecting is performed after power has been
2 newly supplied to said processing unit.

1 Sub
2 a3 6. The method of claim 2, wherein said detecting is performed while power is being
2 newly supplied to said processing unit.

1 7. The method of claim 2, wherein said detecting is performed after power has been
2 newly supplied to said processing unit.

1 8. The method of claim 3, wherein said detecting is performed while power is being
2 newly supplied to said processing unit.

1 9. The method of claim 3, wherein said detecting is performed after power has been
2 newly supplied to said processing unit.

1 10. The method of claim 1, wherein said processing unit performs said reading of said
2 first data by utilizing a cable coupling said processing unit and said video display unit.

1 11. The method of claim 10, wherein said cable comprises a universal serial bus cable.

1 12. An apparatus, comprising:

2 a video display unit conveying varying visual information to a user; and

3 a processing unit processing data including the visual information, said processing unit
4 detecting whether said video display unit is newly coupled to said processing unit while power is
5 being supplied to said processing unit, said processing unit reading first data corresponding to said
6 video display unit when said video display unit is detected as being newly coupled to said processing
7 unit while power is being supplied to said processing unit, said processing unit determining whether
8 said first data corresponds to second data stored at said processing unit, wherein said processing unit
9 stores said first data and determines resolution data corresponding to said video display unit and
transmits said resolution data when said first data does not correspond to said second data.

1 13. The apparatus of claim 12, further comprising a video card disposed between said
2 processing unit and said video display unit, wherein said video card receives said resolution data
3 transmitted from said processing unit.

1 14. The apparatus of claim 12, further comprising:

2 a first memory installed in said video display unit, said processing unit reading said first data
3 from said first memory;

4 a second memory installed in said processing unit, said second data being stored in said

5 second memory; and

6 wherein said processing unit stores said first data in said second memory when said first data
7 does not correspond to said second data.

1 15. The apparatus of claim 12, wherein said processing unit comprises a computer
2 system, said resolution data corresponding to an optimal resolution of said video display unit.

1 16. The apparatus of claim 12, wherein said video display unit is selected from among
2 a cathode ray tube, a liquid crystal display, a gas-plasma display, a light emitting diode display, an
3 electro-luminescent display, and a field emission display.

1 17. A method, comprising:

2 while power is being supplied to a processing unit, detecting whether a video display unit
3 is newly coupled to said processing unit, said video display unit conveying varying visual
4 information to a user, and said processing unit processing data including the visual information;

5 when said video display unit is detected as being newly coupled to said processing unit while
6 power is being supplied to said processing unit, reading first data corresponding to said video display
7 unit;

8 determining whether said first data corresponds to second data stored in a memory unit; and

9 when said first data does not correspond to said second data stored in said memory unit,
10 storing said first data in said memory unit and determining resolution data corresponding to said

11 video display unit and transmitting said resolution data to a first device.

1 18. The method of claim 17, wherein said first device comprises a video card processing
2 the visual information.

1 19. The method of claim 17, said detecting further comprising a polling operation
2 periodically checking said processing unit.

1 20. The method of claim 17, said detecting further comprising a sensing of an interrupt
2 signal occurring when said video display unit is newly coupled to said processing unit.

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